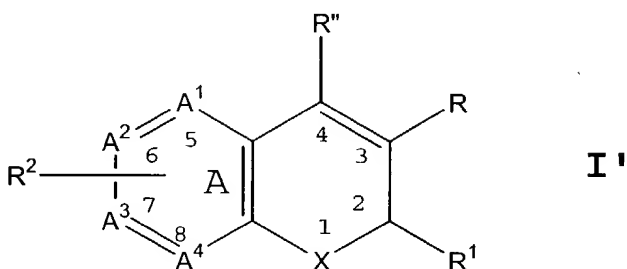


CLAIMS

What is claimed is:

Claim 1 (Presently Amended) A compound of Formula I'



wherein X is **selected from O, S, CR^eR^b and NR^a**;

wherein R^a is selected from hydrido, C₁-C₃-alkyl, (optionally substituted phenyl)-C₁-C₃-alkyl, acyl and carboxy-C₁-C₆-alkyl;

wherein each of R^b and R^c is independently selected from hydrido, C₁-C₃-alkyl, phenyl-C₁-C₃-alkyl, C₁-C₃-perfluoroalkyl, chloro, C₁-C₆-alkylthio, C₁-C₆-alkoxy, nitro, cyano and cyano-C₁-C₃-alkyl;

wherein R is selected from carboxyl, aminocarbonyl, C₁-C₆-alkylsulfonylaminocarbonyl and C₁-C₆-alkoxycarbonyl;

wherein R'' is selected from hydrido, phenyl, thienyl and C₂-C₆-alkenyl;

wherein R¹ is selected from C₁-C₃-perfluoroalkyl, chloro, C₁-C₆-alkylthio, C₁-C₆-alkoxy, nitro, cyano and cyano-C₁-C₃-alkyl;

wherein R² is one or more radicals independently selected from hydrido, halo, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, halo-C₂-C₆-alkynyl, aryl-C₁-C₃-alkyl, aryl-C₂-C₆-alkynyl, aryl-C₂-C₆-alkenyl, C₁-C₆-alkoxy, methylenedioxy, C₁-C₆-alkylthio, C₁-C₆-alkylsulfinyl, aryloxy, arylthio, arylsulfinyl, heteroaryloxy, C₁-C₆-alkoxy-C₁-C₆-alkyl, aryl-C₁-C₆-alkyloxy, heteroaryl-C₁-C₆-alkyloxy, aryl-C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₁-C₆-

haloalkylthio, C₁-C₆-haloalkylsulfinyl, C₁-C₆-haloalkylsulfonyl, C₁-C₃-(haloalkyl-C₁-C₃-hydroxyalkyl, C₁-C₆-hydroxyalkyl, hydroxyimino-C₁-C₆-alkyl, C₁-C₆-alkylamino, arylamino, aryl-C₁-C₆-alkylamino, heteroaryl-amino, heteroaryl-C₁-C₆-alkylamino, nitro, cyano, amino, aminosulfonyl, C₁-C₆-alkylaminosulfonyl, arylaminosulfonyl, heteroarylaminosulfonyl, aryl-C₁-C₆-alkylaminosulfonyl, heteroaryl-C₁-C₆-alkylaminosulfonyl, heterocyclisulfonyl, C₁-C₆-alkylsulfonyl, aryl-C₁-C₆-alkylsulfonyl, optionally substituted aryl, optionally substituted heteroaryl, aryl-C₁-C₆-alkylcarbonyl, heteroaryl-C₁-C₆-alkylcarbonyl, heteroarylcarbonyl, arylcarbonyl, aminocarbonyl, C₁-C₆-alkoxycarbonyl, formyl, C₁-C₆-haloalkylcarbonyl and C₁-C₆-alkylcarbonyl; and

wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least two of A¹, A², A³ and A⁴ are carbon;

or wherein R² together with ring A forms a radical selected from naphthyl, quinolyl, isoquinolyl, quinoliziny, quinoxaliny and dibenzofuryl;

or an isomer or pharmaceutically acceptable salt thereof.

Claim 2 (Presently Amended) A compound of Claim 1 wherein X is **selected from O, S, CR^cR^b and NR^a**; wherein R^a is selected from hydrido, C₁-C₃-alkyl, (optionally substituted phenyl)-C₁-C₃-alkyl, acyl and carboxy-C₁-C₆-alkyl; wherein each of R^b and R^b is independently selected from hydrido, C₁-C₃-alkyl, phenyl-C₁-C₃-alkyl, C₁-C₃-perfluoroalkyl, chloro, C₁-C₆-alkylthio, C₁-C₆-alkoxy, nitro, cyano and cyano-C₁-C₃-alkyl; wherein R is selected from carboxyl, aminocarbonyl, C₁-C₆-alkylsulfonylaminocarbonyl and C₁-C₆-alkoxycarbonyl; wherein R^{''} is selected from hydrido, phenyl, thienyl and C₂-C₆-alkenyl; wherein R¹ is selected from C₁-C₃-perfluoroalkyl,

chloro, C₁-C₆-alkylthio, C₁-C₆-alkoxy, nitro, cyano and cyano-C₁-C₃-alkyl; wherein R² is one or more radicals independently selected from hydrido, halo, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, halo-C₂-C₆-alkynyl, aryl-C₁-C₃-alkyl, aryl-C₂-C₆-alkynyl, aryl-C₂-C₆-alkenyl, C₁-C₆-alkoxy, methylenedioxy, C₁-C₆-alkylthio, C₁-C₆-alkylsulfinyl, aryloxy, arylthio, arylsulfinyl, heteroaryloxy, C₁-C₆-alkoxy-C₁-C₆-alkyl, aryl-C₁-C₆-alkoxy, heteroaryl-C₁-C₆-alkoxy, aryl-C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₁-C₆-haloalkylthio, C₁-C₆-haloalkylsulfinyl, C₁-C₆-haloalkylsulfonyl, C₁-C₃-(haloalkyl-C₁-C₃-hydroxyalkyl, C₁-C₆-hydroxyalkyl, hydroxyimino-C₁-C₆-alkyl, C₁-C₆-alkylamino, arylamino, aryl-C₁-C₆-alkylamino, heteroarylamino, heteroaryl-C₁-C₆-alkylamino, nitro, cyano, amino, aminosulfonyl, C₁-C₆-alkylaminosulfonyl, arylaminosulfonyl, heteroarylaminosulfonyl, aryl-C₁-C₆-alkylaminosulfonyl, heteroaryl-C₁-C₆-alkylaminosulfonyl, heterocyclylsulfonyl, C₁-C₆-alkylsulfonyl, aryl-C₁-C₆-alkylsulfonyl, optionally substituted aryl, optionally substituted heteroaryl, aryl-C₁-C₆-alkylcarbonyl, heteroaryl-C₁-C₆-alkylcarbonyl, heteroarylcarbonyl, arylcarbonyl, aminocarbonyl, C₁-C₆-alkoxycarbonyl, formyl, C₁-C₆-haloalkylcarbonyl and C₁-C₆-alkylcarbonyl; and wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; or wherein R² together with ring A forms a naphthyl or quinolyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 3 (Presently Amended) A compound of Claim 2 wherein X is ~~selected from O, S and NR^a~~; wherein R^a is selected from hydrido, C₁-C₃-alkyl and (optionally substituted phenyl)methyl; wherein R is carboxyl; wherein R^{''} is selected from hydrido and C₂-C₆-alkenyl; wherein R¹ is selected from C₁-C₃-perfluoroalkyl; wherein R² is one or more radicals independently selected from hydrido, halo, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, halo-C₂-C₆-alkynyl, phenyl-C₁-

C₆-alkyl, phenyl-C₂-C₆-alkynyl, phenyl-C₂-C₆-alkenyl, C₁-C₃-alkoxy, methylenedioxy, C₁-C₃-alkoxy-C₁-C₃-alkyl, C₁-C₃-alkylthio, C₁-C₃-alkylsulfinyl, phenyloxy, phenylthio, phenylsulfinyl, C₁-C₃-haloalkyl-C₁-C₃-hydroxyalkyl, phenyl-C₁-C₃-alkyloxy-C₁-C₃-alkyl, C₁-C₃-haloalkyl, C₁-C₃-haloalkoxy, C₁-C₃-haloalkylthio, C₁-C₃-hydroxyalkyl, C₁-C₃-alkoxy-C₁-C₃-alkyl, hydroxyimino-C₁-C₃-alkyl, C₁-C₆-alkylamino, nitro, cyano, amino, aminosulfonyl, N-alkylaminosulfonyl, N-arylaminosulfonyl, N-heteroarylaminosulfonyl, N-(phenyl-C₁-C₆-alkyl)aminosulfonyl, N-(heteroaryl-C₁-C₆-alkyl)aminosulfonyl, phenyl-C₁-C₃-alkylsulfonyl, 5- to 8-membered heterocyclisulfonyl, C₁-C₆-alkylsulfonyl, optionally substituted phenyl, optionally substituted 5- to 9-membered heteroaryl, phenyl-C₁-C₆-alkylcarbonyl, phenylcarbonyl, 4-chlorophenylcarbonyl, 4-hydroxyphenylcarbonyl, 4-trifluoromethylphenylcarbonyl, 4-methoxyphenylcarbonyl, aminocarbonyl, formyl, and C₁-C₆-alkylcarbonyl; wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; or wherein R² together with ring A forms a naphthyl, benzofurylphenyl, or quinolyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 4 (Presently Amended) A compound of Claim 3 wherein X is **selected from O, S and NR^a**; wherein R^a is selected from hydrido, methyl, ethyl, (4-trifluoromethyl)benzyl, (4-chloromethyl)benzyl, (4-methoxy)benzyl, and (4-cyano)benzyl, (4-nitro)benzyl; wherein R is carboxyl; wherein R^b is selected from hydrido and ethenyl; wherein R¹ is selected from trifluoromethyl and pentafluoroethyl; wherein R² is one or more radicals independently selected from hydrido, chloro, bromo, fluoro, iodo, methyl, tert-butyl, ethenyl, ethynyl, 5-chloro-1-pentynyl, 1-pentynyl, 3,3-dimethyl-1-butynyl, benzyl, phenylethyl, phenyl-ethynyl, 4-chlorophenyl-ethynyl,

4-methoxyphenyl-ethynyl, phenylethenyl, methoxy, methylthio, methylsulfinyl, phenyloxy, phenylthio, phenylsulfinyl, methylenedioxy, benzyloxymethyl, trifluoromethyl, difluoromethyl, pentafluoroethyl, trifluoromethoxy, trifluoromethylthio, hydroxymethyl, hydroxy-trifluoroethyl, methoxymethyl, hydroxyiminomethyl, N-methylamino, nitro, cyano, amino, aminosulfonyl, N-methylaminosulfonyl, N-phenylaminosulfonyl, N-furylaminosulfonyl, N-(benzyl)aminosulfonyl, N-(furylmethyl)aminosulfonyl, benzylsulfonyl, phenylethylaminosulfonyl, furylsulfonyl, methylsulfonyl, phenyl, phenyl substituted with one or more radicals selected from chloro, fluoro, bromo, methoxy, methylthio and methylsulfonyl, benzimidazolyl, thienyl, thienyl substituted with chloro, furyl, furyl substituted with chloro, benzylcarbonyl, optionally substituted phenylcarbonyl, aminocarbonyl, formyl and methylcarbonyl; wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; or wherein R² together with ring A forms a naphthyl, or quinolyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 5-10 (Cancel)

Claim 11 (Original) A compound of Claim 2 wherein X is S; wherein R is carboxyl; wherein R¹ is selected from C₁-C₃-perfluoroalkyl; wherein R² is one or more radicals independently selected from hydrido, halo, C₁-C₆-alkyl, phenyl-C₁-C₆-alkyl, phenyl-C₂-C₆-alkynyl, phenyl-C₂-C₆-alkenyl, C₁-C₆-alkoxy, phenyloxy, 5- or 6-membered heteroaryloxy, phenyl-C₁-C₆-alkyloxy, 5- or 6-membered heteroaryl-C₁-C₆-alkyloxy, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy, C₁-C₆-alkylamino, N-phenylamino, N-(phenyl-C₁-C₆-alkyl)amino, N-heteroaryl-amino, N-(heteroaryl-C₁-C₆-alkylamino, nitro, amino, aminosulfonyl, N-alkylaminosulfonyl, N-arylaminosulfonyl, N-

heteroarylaminosulfonyl, N-(phenyl-C₁-C₆-alkyl)aminosulfonyl, N-(heteroaryl-C₁-C₆-alkyl)aminosulfonyl, 5- to 8-membered heterocyclylsulfonyl, C₁-C₆-alkylsulfonyl, optionally substituted phenyl, optionally substituted 5- or 6-membered heteroaryl, phenyl-C₁-C₆-alkylcarbonyl, heteroarylcarbonyl, phenylcarbonyl, aminocarbonyl, and C₁-C₆-alkylcarbonyl; wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; or an isomer or pharmaceutically acceptable salt thereof.

Claim 12 (Original) A compound of Claim 11 wherein X is S; wherein R is carboxyl; wherein R" is selected from hydrido and ethenyl; wherein R¹ is selected from trifluoromethyl and pentafluoroethyl; wherein R² is one or more radicals independently selected from hydrido, chloro, bromo, fluoro, iodo, methyl, tert-butyl, ethenyl, ethynyl, 5-chloro-1-pentynyl, 1-pentynyl, 3,3-dimethyl-1-butynyl, benzyl, phenylethyl, phenyl-ethynyl, 4-chlorophenyl-ethynyl, 4-methoxyphenyl-ethynyl, phenylethenyl, methoxy, methylthio, methylsulfinyl, phenoxy, phenylthio, phenylsulfinyl, pyridyloxy, thienyloxy, furyloxy, phenylmethoxy, methylenedioxy, benzyloxymethyl, trifluoromethyl, difluoromethyl, pentafluoroethyl, trifluoromethoxy, trifluoromethylthio, hydroxymethyl, hydroxy-trifluoroethyl, methoxymethyl, hydroxyiminomethyl, N-methylamino, N-phenylamino, N-(benzyl)amino, nitro, cyano, amino, aminosulfonyl, N-methylaminosulfonyl, N-phenylaminosulfonyl, N-furylaminosulfonyl, N-(benzyl)aminosulfonyl, N-(furylmethyl)aminosulfonyl, benzylsulfonyl, phenylethylaminosulfonyl, furylsulfonyl, methylsulfonyl, phenyl, phenyl substituted with one or more radicals selected from chloro, fluoro, bromo, methoxy, methylthio and methylsulfonyl, benzimidazolyl, thienyl, thienyl substituted with chloro, furyl, furyl substituted with chloro, benzylcarbonyl, furylcarbonyl, phenylcarbonyl, aminocarbonyl,

formyl, and methylcarbonyl; wherein the A ring atoms A¹, A², A³ and A⁴ are carbon; or an isomer or pharmaceutically acceptable salt thereof.

Claim 13 (Original) A compound of Claim 12 selected from compounds, and their isomers and pharmaceutically-acceptable salts, of the group consisting of

6-chloro-2-trifluoromethyl-2H-1-benzothiopyran-3-carboxylic acid;
6-methyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
6,8-dimethyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
6-(1,1-dimethylethyl)-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
7-methyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
6,7-dimethyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
8-methyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
6-chloro-7-methyl-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
7-chloro-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
6,7-dichloro-2-(trifluoromethyl)-2H-1-benzothiopyran-3-carboxylic acid;
2-(trifluoromethyl)-6-[(trifluoromethyl)thio]-2H-1-benzopyran-3-carboxylic acid; and
6,8-dichloro-2-trifluoromethyl-2H-1-benzothiopyran-3-carboxylic acid.

Claims 14-16 (Cancel)

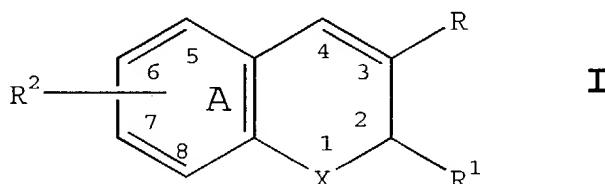
Claim 17 (Presently Amended) A compound of Claim 2 wherein X is **selected from O, S and NR^a**; wherein R^a is selected from hydrido, C₁-C₃-alkyl, phenyl-C₁-C₃-alkyl, acyl and carboxy-C₁-C₃-alkyl; wherein R is selected from carboxyl; wherein R¹ is selected from C₁-C₃-

perfluoroalkyl; wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; and wherein R² together with ring A forms a naphthyl or quinolyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 18 (Presently Amended) A compound of Claim 17 wherein X is ~~selected from O, S and NR^a~~; wherein R^a is selected from hydrido, methyl, ethyl, (4-trifluoromethyl)benzyl, (4-chloromethyl)benzyl, (4-methoxy)benzyl, and (4-cyano)benzyl, (4-nitro)benzyl; wherein R is carboxyl; wherein Rⁿ is selected from hydrido and ethenyl; wherein R¹ is selected from trifluoromethyl and pentafluoroethyl; wherein the A ring atoms A¹, A², A³ and A⁴ are independently selected from carbon and nitrogen with the proviso that at least three of A¹, A², A³ and A⁴ are carbon; or wherein R² together with ring A forms a naphthyl, or quinolyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 19 (Cancel)

Claim 20 (Presently Amended) A compound of Formula I



wherein X is ~~selected from O or S or NR^a~~;

wherein R^a is alkyl;

wherein R is selected from carboxyl, aminocarbonyl, alkylsulfonylaminocarbonyl and alkoxycarbonyl;

wherein R¹ is selected from haloalkyl, alkyl, aralkyl, cycloalkyl and aryl optionally substituted with one or more radicals selected from alkylthio, nitro and alkylsulfonyl; and

wherein R² is one or more radicals selected from hydrido, halo, alkyl, aralkyl, alkoxy, aryloxy, heteroaryloxy, aralkyloxy, heteroaralkyloxy, haloalkyl, haloalkoxy, alkylamino, arylamino, aralkylamino, heteroarylamine, heteroarylalkylamine, nitro, amino, aminosulfonyl, alkylaminosulfonyl, arylaminosulfonyl, heteroarylaminosulfonyl, aralkylaminosulfonyl, heteroaralkylaminosulfonyl, heterocyclosulfonyl, alkylsulfonyl, optionally substituted aryl, optionally substituted heteroaryl, aralkylcarbonyl, heteroarylcarbonyl, arylcarbonyl, aminocarbonyl, and alkylcarbonyl; or wherein R² together with ring A forms a naphthyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 21 (Presently Amended) Compound of Claim 20 ~~wherein X is oxygen or sulfur~~; wherein R is selected from carboxyl, lower alkyl, lower aralkyl and lower alkoxy carbonyl; wherein R¹ is selected from lower haloalkyl, lower cycloalkyl and phenyl; and wherein R² is one or more radicals selected from hydrido, halo, lower alkyl, lower alkoxy, lower haloalkyl, lower haloalkoxy, lower alkylamino, nitro, amino, aminosulfonyl, lower alkylaminosulfonyl, 5- or 6- membered heteroarylalkylaminosulfonyl, lower aralkylaminosulfonyl, 5- or 6- membered nitrogen containing heterocyclosulfonyl, lower alkylsulfonyl, optionally substituted phenyl, lower aralkylcarbonyl, and lower alkylcarbonyl; or wherein R² together with ring A forms a naphthyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 22 (Presently Amended) Compound of Claim 21 ~~wherein X is oxygen or sulfur~~; wherein R is carboxyl; wherein R¹ is lower haloalkyl; and wherein R² is one or more radicals selected from hydrido,

halo, lower alkyl, lower haloalkyl, lower haloalkoxy, lower alkylamino, amino, aminosulfonyl, lower alkylaminosulfonyl, 5- or 6- membered heteroarylalkylaminosulfonyl, lower aralkylaminosulfonyl, lower alkylsulfonyl, 6- membered nitrogen containing heterocyclosulfonyl, optionally substituted phenyl, lower aralkylcarbonyl, and lower alkylcarbonyl; or wherein R² together with ring A forms a naphthyl radical; or an isomer or pharmaceutically acceptable salt thereof.

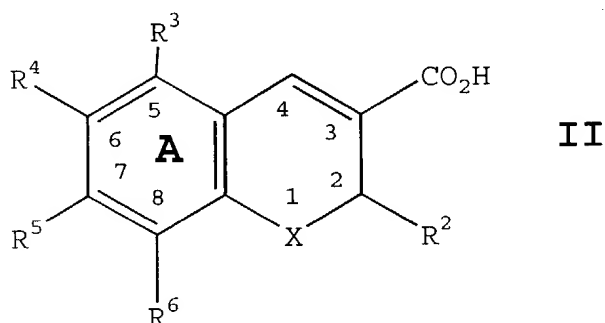
Claim 23 (Original) Compound of Claim 22 wherein R is carboxyl; wherein R¹ is selected from fluoromethyl, chloromethyl, dichloromethyl, trichloromethyl, pentafluoroethyl, heptafluoropropyl, difluoroethyl, difluoropropyl, dichloroethyl, dichloropropyl, difluoromethyl, and trifluoromethyl; and wherein R² is one or more radicals selected from hydrido, chloro, fluoro, bromo, iodo, methyl, ethyl, isopropyl, *tert*-butyl, butyl, isobutyl, pentyl, hexyl, methoxy, ethoxy, isopropoxy, *tert*butyloxy, trifluoromethyl, difluoromethyl, trifluoromethoxy, amino, N,N-dimethylamino, N,N-diethylamino, N-phenylmethylaminosulfonyl, N-phenylethylaminosulfonyl, N-(2-furylmethyl)aminosulfonyl, nitro, N,N-dimethylaminosulfonyl, aminosulfonyl, N-methylaminosulfonyl, N-ethylsulfonyl, 2,2-dimethylethylaminosulfonyl, N,N-dimethylaminosulfonyl, N-(2-methylpropyl)aminosulfonyl, N-morpholinosulfonyl, methylsulfonyl, benzylcarbonyl, 2,2-dimethylpropylcarbonyl, phenylacetyl and phenyl; or wherein R² together with ring A forms a naphthyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 24 (Original) Compound of Claim 23 wherein R is carboxyl; wherein R¹ is trifluoromethyl or pentafluoroethyl; and wherein R² is one or more radicals selected from hydrido, chloro, fluoro, bromo, iodo, methyl, ethyl, isopropyl, *tert*-butyl, methoxy, trifluoromethyl, trifluoromethoxy, N-phenylmethylaminosulfonyl, N-

phenylethylaminosulfonyl, N-(2-furylmethyl)aminosulfonyl, N,N-dimethylaminosulfonyl, N-methylaminosulfonyl, N-(2,2-dimethylethyl)aminosulfonyl, dimethylaminosulfonyl, 2-methylpropylaminosulfonyl, N-morpholinosulfonyl, methylsulfonyl, benzylcarbonyl, and phenyl; or wherein R² together with ring A forms a naphthyl radical; or an isomer or pharmaceutically acceptable salt thereof.

Claim 25 (Cancel)

Claim 26 (Presently Amended) A compound of Formula II



wherein X is ~~O~~ or S;

wherein R² is lower haloalkyl;

wherein R³ is selected from hydrido, and halo;

wherein R⁴ is selected from hydrido, halo, lower alkyl, lower haloalkoxy, lower alkoxy, lower aralkylcarbonyl, lower dialkylaminosulfonyl, lower alkylaminosulfonyl, lower aralkylaminosulfonyl, lower heteroaralkylaminosulfonyl, and 5- or 6-membered nitrogen-containing heterocyclosulfonyl;

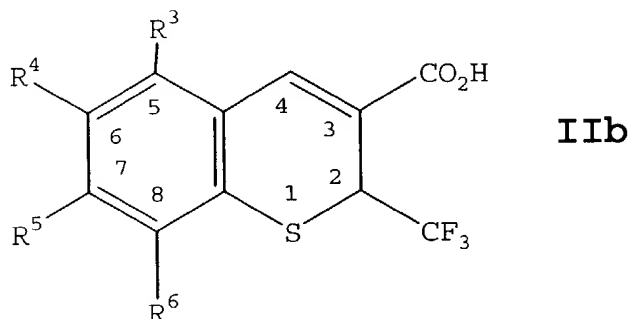
wherein R⁵ is selected from hydrido, lower alkyl, halo, lower alkoxy, and aryl; and

wherein R⁶ is selected from hydrido, halo, lower alkyl, lower alkoxy, and aryl;

or an isomer or pharmaceutically acceptable salt thereof.

Claims 27-28 (Cancel)

Claim 29 (Original) A compound of Formula IIb:



wherein R^3 is selected from hydrido, lower alkyl, lower hydroxyalkyl, lower alkoxy and halo; wherein R^4 is selected from hydrido, halo, lower alkyl, lower alkylthio, lower haloalkyl, amino, aminosulfonyl, lower alkylsulfonyl, lower alkylsulfinyl, lower alkoxyalkyl, lower alkylcarbonyl, formyl, cyano, lower haloalkylthio, substituted or unsubstituted phenylcarbonyl, lower haloalkoxy, lower alkoxy, lower aralkylcarbonyl, lower dialkylaminosulfonyl, lower alkylaminosulfonyl, lower aralkylaminosulfonyl, lower heteroaralkylaminosulfonyl, 5- or 6-membered heteroaryl, lower hydroxyalkyl, optionally substituted phenyl and 5- or 6- membered nitrogen containing heterocyclosulfonyl; wherein R^5 is selected from hydrido, lower alkyl, halo, lower haloalkyl, lower alkoxy, and phenyl; and wherein R^6 is selected from hydrido, halo, cyano, hydroxyiminomethyl, lower hydroxyalkyl, lower alkynyl, phenylalkynyl, lower alkyl, lower alkoxy, formyl and phenyl; or an isomer or pharmaceutically acceptable salt thereof.

Claim 30 (Original) Compound of Claim 29 wherein R^3 is selected from hydrido, and chloro; wherein R^4 is selected from chloro,

methyl, tert-butyl, methylthio, trifluoromethyl, difluoromethyl, pentafluoromethyl, trifluoromethylsulfide, trifluoromethoxy, cyano, substituted or unsubstituted phenylcarbonyl, and substituted or unsubstituted phenyl; wherein R⁵ is selected from hydrido, methyl, tert-butyl, chloro; and wherein R⁶ is selected from hydrido, chloro, thienyl, hydroxyiminomethyl, substituted or unsubstituted phenylethynyl, and substituted or unsubstituted phenyl; or an isomer or pharmaceutically acceptable salt thereof.

Claim 31-32 (Cancel)

Claim 33 (Presently Amended) A method of treating a cyclooxygenase-2 mediated disorder in a subject, said method comprising treating the subject having or susceptible to said disorder with a therapeutically-effective amount of a compound of Claims 1-31; or a pharmaceutically-acceptable salt thereof.

Claim 34 (Original) The method of Claim 33 wherein the cyclooxygenase-2 mediated disorder is inflammation.

Claim 35 (Original) The method of Claim 33 wherein the cyclooxygenase-2 mediated disorder is arthritis.

Claim 36 (Original) The method of Claim 33 wherein the cyclooxygenase-2 mediated disorder is pain.

Claim 37 (Original) The method of Claim 33 wherein the cyclooxygenase-2 mediated disorder is fever.

Claim 38 (Presently Amended) A pharmaceutical composition comprising a therapeutically-effective amount of a compound, said compound selected from a family of compounds of Claims 1-31; or a pharmaceutically-acceptable salt thereof.